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DIVISION of SCIENCE
RESOURCES STUDIES

ORIGINAL

COMPLETED
31

PUBLICATIONS LIST: 1975-85

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National Science Foundation

January 1986

WASHINGTON, D.C. 2055
NSF 86-304

general notes

- This booklet provides a list of Division of Science Resources Studies' (SRS) publications issued from 1975 through 1985 to serve as a bibliographic aid and reference. Information on the identification of publications issued prior to 1975 can be obtained from the Editorial and Inquiries Unit (EIU), SRS, telephone (202) 634-4622. A compact reference volume titled *Project Summaries* permits a rapid overview of all of the projects carried out during a given fiscal year and provides a summary of each endeavor. This volume can be obtained from EIU.

- Publications that resulted from intramural projects are listed in part I. Intramural projects are those carried out either directly by the SRS staff or by other Government agencies or contractors under the aegis of SRS. Extramural publications are those prepared by institutions and/or principal investigators supported by SRS grants and contracts; these publications comprise part II. The lists are further subdivided by subject: Part I—Overviews, Human Resources, and Funding of Science and Technology; Part II—Human Resources, Funding of Science and Technology, and Output and Impacts.

- SRS intramural reports have been issued in four formats: Summary data in *Science Resources Studies Highlights* (Highlights or SRSH); Detailed Statistical Tables (Tables); full final or special analytical Reports; and, special short analytical studies in *Reviews of Data on Science Resources* (RDSR). The RDSR's, which are no longer published, were issued from December 1964 to May 1980.

- The most recent SRS intramural Reports titled *Science Indicators* and *Women and Minorities in Science and Engineering* may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402; Reports and Detailed Statistical Tables may be obtained from the National Technical Information Service, Springfield, Virginia 22161; and *Science Resources Studies Highlights*, as well as the Reports and Tables may be obtained from EIU, SRS. Extramural articles and other publications are available from the author, publisher, or journal, and some can be obtained also from the National Technical Information Service.

- Because SRS publications are in the public domain, they may be freely quoted. A citation of the relevant report would be appropriate, however, and the following forms for references are suggested:

  National Science Foundation, *Science Indicators—The 1985 Report* (NSB 85-1)(Washington, D.C.: Supt. of Documents, U.S. Government Printing Office, 1986).

  National Science Foundation, *Federal Funds for Research and Development*, Fiscal Years 1983, 1984, and 1985, Volume XXXIII (Detailed Statistical Tables) (NSF 84-336)(Washington, D.C., 1985).

  National Science Foundation, "Shortages Increase for Engineering Personnel in Industry," *Science Resources Studies Highlights* (NSF 84-309)(Washington, D.C., March 29, 1985).

Prepared by the
Editorial and Inquiries Unit

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RESOURCES STUDIES

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Telephonic Device for the Deaf

The National Science Foundation (NSF) has Telephonic Device for the Deaf (TDD) capability which enable individuals with hearing impairment to communicate with the Division of Personnel and Management for information relating to NSF programs, employment, or general information. This number is (202) 357-7492.

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*Reviews of Data on Science Resources.

*Reviews of Data on Science Resources.

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extramural publications

The following list of articles and reports are available from the author, publisher, or journal. Those with an asterisk are available from the National Technical Information Service, Springfield, Virginia 22161. See identifying number at end of citation.

human resources

1985

"Access to Computers for Research," Engin Inel Holmstrom, *Higher Education Panel Report*, No. 69. Washington, D.C.: American Council on Education, Dec. 1985.

"Campus Trends, 1984," Elaine El-Khawas, *Higher Education Panel Report*, No. 65. Washington, D.C.: American Council on Education, Feb. 1985.

"Conditions Affecting College and University Financial Strength," Charles J. Andersen, *Higher Education Panel Report*, No. 63. Washington, D.C.: American Council on Education, Sept. 1985.

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Labor Certifications and the Distribution of Immigrant Scientists and Engineers. J. L. Barries and M. G. Finn, paper presented at the Eastern Economics Association Meeting, Mar. 1985.

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Trends in Student Quality in Doctoral and Professional Education, Rodney T. Hartnett. New Brunswick, N.J.: Rutgers Univ., 1985.

Summary Report, 1984. Doctorate Recipients from United States Universities. Washington, D.C.: National Research Council, 1985.

1984

The Engineering Degree Conferral Process. Robert C. DauffenBach and Jack Fiorito. Washington, D.C.: Engineering Manpower Commission, Dec. 1984.

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"Plant Biology Personnel and Training," Charles J. Andersen. *Higher Education Panel Report*, No. 62. Washington, D.C.: American Council on Education, Oct. 1984.

"Projected Labor-Market Balance in Engineering and Computer Specialty Occupations, 1982-87," Jean E. Vanski. *Labor-Market Conditions for Engineers: Is There a Shortage?* Washington, D.C.: National Research Council, National Academy Press, 1984.

Science, Engineering, and Humanities Doctorates in the United States: 1983 Profile. Betty D. Maxfield. Washington, D.C.: National Research Council, 1984.

"Selected Characteristics of Persons in Computer Specialties: 1978," *Current Population Reports*, Series P-23, No. 134. Washington, D.C.: Bureau of the Census, Department of Commerce, 1984.

"Selected Characteristics of Persons in Engineering, 1978," *Current Population Reports*, Series P-23, No. 135.

Washington, D.C.: Bureau of the Census, Department of Commerce, 1984.

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"Survey of Engineering Faculty and Graduate Students, Fall 1983," *Engineering Education*, 1984.

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"The Demand for Engineers—Projections Through 1987," F. Landis and Joseph Svestka. *Management Science*, Vol. 29, No. 4, Apr. 1983, pp. 455-464.

Departing The Ivy Halls, Changing Employment Situation for Recent PhD's. Betty D. Maxfield and Susan Henn. Washington, D.C.: National Research Council, 1983.

*"Financial Support for the Humanities: A Special Methodological Report," Irene L. Gomberg and Frank J. Atelsek. *Higher Education Panel Report*, No. 56. Washington, D.C.: American Council on Education, Jan. 1983. PB 83-179671

*"Neuroscience Personnel and Training," Irene L. Gomberg and Frank J. Atelsek. *Higher Education Panel Report*, No. 57. Washington, D.C.: American Council on Education, Jun. 1983. PB 83-242172

"Part-Time Postschool Investments in Education and Their Impact on Earnings Growth for Engineers," William Cooke and Morris Cobern. *Human Resources, Employment and Development. Volume 3: The Problems of Developed Countries and the International Economy*, edited by Burton A. Weisbrod and Helen Hughes. London, England: Macmillan, Summer 1983.

"Programmable Automation: Its Effect on the Scientific-Engineering Labor Market," William N. Cooke. *Automation and the Workplace: Selected Labor, Education, and Training Issues*, A Technical Report, Office of Technology Assessment, Congress of the United States. Washington, D.C.: Supt. of Documents, U.S. Government Printing Office, Mar. 1983, pp. 80-88.

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"Understanding the Higher Employment Rate of Women Scientists and Engineers," Michael G. Finn. *American Economic Review*, Dec. 1983.

1982

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